Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Friday 21 Apr 2023 until 23:59 on Saturday 22 Apr 2023

Forecast Issued on Friday 21 Apr 2023 at 04:29

Confidence: High for main theme of transition to more unsettled conditions, low for rain and shower detail, especially showers to end the current week.

Headline for Friday 21 Apr 2023: Turning unsettled, rather cloudy and windy, with a band of rain perhaps edging northwards, followed by a risk of more sporadic heavy showers.

Mountain weather hazards on Friday 21 Apr 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** High Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Heavy Rain	Heavy Rain	Light rain	Cloudy	Cloudy
Precipitation probability					
20%	70%	60%	60%	20%	20%

Forecast for Friday 21 Apr 2023

Weather: Extensive low cloud at first, with spells of light rain giving way to a heavier and more prolonged period by mid-morning. This will be coupled with strong winds and poor visibility to present more hazardous conditions on the slopes than of late. This rain may edge northwards into the afternoon, with a chance of a more showery picture then developing. This could lead to locally heavy showers with a risk of hail and thunder, most likely in the south. Brightness will be limited, but perhaps more likely in the west later. Perhaps becoming drier into the evening, but with further extensive cloud.

Chance of cloud-free hill tops above 600m: Near nil, perhaps improving 20% by the end of the afternoon, more so in the southwest.

Low cloud and visibility: Generally moderate improving to good, but with deterioration in extensive low cloud above 400 metres during the morning, with cloud perhaps falling to near valley floors early and late in any heavier rainfall.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Friday 21 Apr 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	28/34 NE	32/40 NE	27/36 NE	26/34 E	21/29 E	17/23 NE	12/17 NE
300	20/27 NE	30/40 NE	24/34 NE	24/35 E	15/25 E	11/17 NE	8/14 NE
Valley	13/30 NE	22/43 NE	18/37 NE	18/36 E	13/28 E	9/19 E	7/14 E

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/-2	5/-1	6/-0	5/-0	5/-0	4/-0	4/-0
300	6/1	7/2	8/4	8/4	8/4	7/4	6/4
Valley	7/4	9/4	9/6	9/6	8/5	7/5	7/5
Freezing Level*	1600m	1700m	1500m	1300m	1200m	1200m	1200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Continued strong winds will be coupled with rain and more prolonged low cloud than of late to give a more significant risk of windchill and navigational difficulties.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Fri 21 Apr 2023	1mm	1mm	1.2mm

Forecast for Saturday 22 Apr 2023

Weather: High uncertainty in details – keeping abreast of the latest forecast advised. Probably dry at first, but with extensive low cloud in lighter winds than of late and given intervening rainfall. Probably rather cloudy, with rain nearby to the north and perhaps spreading in from the southwest later, with this perhaps on the heavy side should it occur with a risk of hail and thunder. Probably remaining cloudy even in drier periods. Winds from the east most likely.

Maximum wind: Variable 10mph, becoming west or south-westerly 10-15mph, with gusts 20mph later.

Chance of cloud-free hill tops above 600m: Near nil, then perhaps 60% later, but detail elusive.

Low cloud and visibility: Risk of extensive low cloud to 400-500 metres, else areas of valley mist and fog in any more prolonged breaks and eastern parts first thing. Moderate visibility improving very good away from any showers.

Temperature: **Valleys:** Plus 3 becoming Plus 14 Celsius.
At 600m: Plus 4 becoming Plus 7 Celsius.
Freezing level: Above the peaks.

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